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COMPOSITION AND METHOD FOR RECTAL DELIVERY OF A LINCOSAMIDE ANTIBIOTIC DRUG

CROSS REFERENCE TO RELATED APPLICATIONS

The present patent application is a continuation-in-part of U.S. Patent Application Serial No. 09/619,930, filed July 20, 2000, now U.S. Patent No 6,495,157 that claims the benefit of U.S. Provisional Patent Application Serial No: 60/147561, filed August 6, 1999.

FIELD OF THE INVENTION

The present invention relates to a pharmaceutical composition useful for rectal application for treatment or prevention of infective disease. In particular, the present invention relates to a rectal formulation of a lincosamide antibacterial drug that can be used for treatment or prevention of infection by a gram-positive bacterial agent. The field of the present invention also includes therapeutic or prophylactic use of such a formulation, and use of such a formulation in preparation of a medicament.

BACKGROUND OF THE INVENTION

Lincosamide compounds have been reported having therapeutically and/or prophylactically useful antibiotic, in particular antibacterial, effect. Lincosamides, such as clindamycin, lincomycin, and pirlimycin, have long been recognized as antibiotics active against bacteria, primarily, against gram-positive bacteria. Lincosamides are known to prevent translocation of nascent polypeptide, making the class of compounds useful for the treatment of a variety of disorders related to bacterial infections.

Clindamycin has long been recognized as being particularly effective in the treatment of staphylococcal infections. Several commercial formulations of clindamycin designed for oral administration can be found on the market, including CLEOCIN® HCL (Pharmacia Corporation, NJ, USA), an oral formulations of clindamycin hydrochloride designed for adults, and CLEOCIN® PEDIATRIC (Pharmacia Corp.), an oral formulation of clindamycin palmitate hydrochloride designed for children. In such formulations clindamycin hydrochloride and